Exhibit R-2, RDT&E Budget Item Justification: PB 2013 Navy

APPROPRIATION/BUDGET ACTIVITY R-1 ITEM NOMENCLATURE

1319: Research, Development, Test & Evaluation, Navy PE 0204311N: Integrated Surveillance System

BA 7: Operational Systems Development

COST (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
Total Program Element	28.161	21.259	45.922	-	45.922	29.221	32.637	34.795	21.174	Continuing	Continuing
0344: SUB AUXILIARIES	-	-	2.998	-	2.998	1.007	11.994	13.991	-	0.000	29.990
0766.: IUSS Detect/Classif System	28.161	21.259	42.924	-	42.924	28.214	20.643	20.804	21.174	Continuing	Continuing

A. Mission Description and Budget Item Justification

This Program Element (PE) comprises two projects - 0766 and 0344. Project 0766 provides for Integrated Undersea Surveillance Systems (IUSS) Research and Development Projects under the Maritime Surveillance Systems (MSS) Program Office (PEO SUB PMS 485). IUSS provides the Navy with its primary means of submarine detection both nuclear and diesel. A portion of project 0766 (FSS) is classified, with details available at a higher classification level. Project 0344 funds the Shallow Water Surveillance System (SWSS) project to develop and demonstrate a deployable, medium endurance underwater sensor to detect and classify submarines specifically operating in shallow water areas.

The IUSS Research and Development project (0766) funds SURTASS Passive and SURTASS Low Frequency Active (LFA) developments. SURTASS provides the mobile, tactical arm of the Integrated Undersea Surveillance System, providing long range detection and cueing for tactical weapons platforms against both diesel and nuclear powered submarines. SURTASS LFA provides an active adjunct capability for IUSS passive and tactical sensors to assist in countering the quieter diesel and nuclear threats of the 1990s and beyond. The LFA tasks are directed at detection of slow quiet threats in harsh littoral waters.

In order to continue with reductions in life cycle costs and continue with system-wide consolidation, a short-term goal is to develop a common IUSS processor based on NAVSEA's Acoustic Rapid COTS Insertion (ARCI) program. The IUSS Integrated Common Processor (ICP) will have the capability to process and display data from all fixed and mobile underwater systems. The IUSS ICP will be used for all new system installations and replace the legacy systems as they reach end of life and require upgrading. Additionally, SURTASS has consolidated on the TB-29A Twin-line array, a variant of the Submarine TB-29A Long line array. This reduced the number of array variants employed by SURTASS from 3 to 1, and enabled development and logistics cost savings by leveraging off the submarine TB-29A program.

The Shallow Water Surveillance System (SWSS) project (0344) funds the development and demonstration of technology to enable a deployable, medium endurance underwater sensor to detect and classify submarines operating in shallow water areas of the world with sufficient timeliness and accuracy to permit re-acquisition of the submarine target using local tactical assets.

Exhibit R-2, RDT&E Budget Item Justification: PB 2013 Navy

R-1 ITEM NOMENCLATURE

1319: Research, Development, Test & Evaluation, Navy

PE 0204311N: Integrated Surveillance System

BA 7: Operational Systems Development

APPROPRIATION/BUDGET ACTIVITY

FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
23.464	21.259	21.534	-	21.534
28.161	21.259	45.922	-	45.922
4.697	-	24.388	-	24.388
-	-			
-	-			
-	-			
-	-			
-	-			
4.838	-			
-	-			
-	-	24.404	-	24.404
-	-	-0.016	-	-0.016
-0.141	-	-	-	-
	23.464 28.161 4.697 - - - - 4.838 - -	23.464	23.464	23.464

Change Summary Explanation

Technical: Not applicable.

Schedule: Not applicable.

DATE: February 2012

APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 7: Operational Systems Development					IOMENCLA 1N: Integrate			PROJECT 0344: SUB AUXILIARIES			
COST (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	Total Cost		
0344: SUB AUXILIARIES	-	-	2.998	-	2.998	1.007	11.994	13.991	-	0.000	29.990

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A. Mission Description and Budget Item Justification

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Exhibit R-2A, RDT&E Project Justification: PB 2013 Navv

The Shallow Water Surveillance System (SWSS) project (0344) funds the development and demonstration of technology to enable a deployable, medium endurance underwater sensor to detect and classify submarines operating in shallow water areas of the world with sufficient timeliness and accuracy to permit re-acquisition of the submarine target using local tactical assets.

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2011	FY 2012	FY 2013
Title: SWSS	-	-	2.998
Articles:			0
FY 2013 Plans:			
SWSS Funding in FY13 will be used for required activities to enable program initiation in FY15, to include acquisition			
documentation development, system engineering trade studies and early risk reduction testing of component technologies.			
Accomplishments/Planned Programs Subtotals	-	-	2.998

C. Other Program Funding Summary (\$ in Millions)

PE 0204311N: Integrated Surveillance System

N/A

D. Acquisition Strategy

Quantity of RDT&E Articles

TBD

E. Performance Metrics

Development of the requirements document for SWSS is one of the primary acquisition documents that will be developed starting in FY13. Performance metrics will either be directly stated in that document or will be derived through the system engineering process used to describe the system specifications.

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Navy

DATE: February 2012

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2013 Navy

APPROPRIATION/BUDGET ACTIVITY

1319: Research, Development, Test & Evaluation, Navy

BA 7: Operational Systems Development

R-1 ITEM NOMENCLATURE

PE 0204311N: Integrated Surveillance System

PROJECT

0344: SUB AUXILIARIES

DATE: February 2012

Management Services	nagement Services (\$ in Millions)			FY 2	2012		2013 se		2013 CO	FY 2013 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Acquisition Documentation	TBD	TBD:TBD	-	-		0.498	Nov 2012	-		0.498	0.000	0.498	
System Engineering Trade Studies	TBD	TBD:TBD	-	-		1.000	Nov 2012	-		1.000	0.000	1.000	
Component Technology Risk Reduction Testing	TBD	TBD:TBD	-	-		1.500	Nov 2012	-		1.500	0.000	1.500	
Need Item Text	C/BA	Not Specified:Not Specified	-	-		-		-		-	0.000	0.000	
		Subtotal	-	-		2.998		-		2.998	0.000	2.998	
			Total Prior Years Cost	FY 2012			2013 se	FY 2013 OCO		FY 2013 Total	Cost To	Total Cost	Target Value of Contract
		Project Cost Totals	-	-		2.998		-		2.998	0.000	2.998	

Remarks

PE 0204311N: Integrated Surveillance System Navy

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Exhibit R-4, RDT&E Schedule Profile: PB 2013 Navy		DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY	R-1 ITEM NOMENCLATURE	PROJECT
1319: Research, Development, Test & Evaluation, Navy	PE 0204311N: Integrated Surveillance System	0344: SUB AUXILIARIES
BA 7: Operational Systems Development		

PE 0204311N: Integrated Surveillance System Navy

Exhibit R-4A, RDT&E Schedule Details: PB 2013 Navy

APPROPRIATION/BUDGET ACTIVITY

1319: Research, Development, Test & Evaluation, Navy

BA 7: Operational Systems Development

DATE: February 2012

R-1 ITEM NOMENCLATURE
PE 0204311N: Integrated Surveillance System
0344: SUB AUXILIARIES

Schedule Details

	St	art	End		
Events by Sub Project	Quarter	Year	Quarter	Year	
Proj 0344					
Documentation / System Engineering	1	2013	4	2014	
System Development and Subsystem Testing	1	2015	3	2016	
System Demonstration	4	2016	4	2016	
Production	1	2017	4	2017	

Exhibit R-2A, RDT&E Project Just	ification: PE	3 2013 Navy							DATE: Feb	ruary 2012		
APPROPRIATION/BUDGET ACTIV					IOMENCLAT			PROJECT				
1319: Research, Development, Test & Evaluation, Navy				PE 020431	1N: <i>Integrate</i>	ed Surveillan	ce System	0766.: IUSS Detect/Classif System				
BA 7: Operational Systems Development												
COST (\$ in Millions)			FY 2013	FY 2013	FY 2013					Cost To		
COST (\$ III WIIIIOIIS)	FY 2011	FY 2012	Base	oco	Total	FY 2014	FY 2015	FY 2016	FY 2017	Complete	Total Cost	
0766.: IUSS Detect/Classif System	28.161	21.259	42.924	-	42.924	28.214	20.643	20.804	20.804 21.174 Continuing Con			
Quantity of RDT&F Articles	0	0	0	0	0	0	0	0	0			

Note

The FSS portion of 0766 is classified with details available at a higher classification level.

A. Mission Description and Budget Item Justification

A. This project includes efforts for SURTASS. The SURTASS project comprises the mobile, tactical arm of the Integrated Undersea Surveillance System, providing long range detection and cueing for tactical weapons platforms against both diesel and nuclear powered submarines. SURTASS also provides the undersea surveillance necessary to support regional conflicts and sea-lane protection. SURTASS has experienced recent passive and active success against diesel submarines operating in shallow water. SURTASS is leveraging existing developments and reducing costs by using Non-Developmental Items and commercial hardware, supporting common Navy Undersea Warfare processing and towed array developments, and increasing operator efficiency through computer-aided detection and classification processing. SURTASS development efforts include: LFA improvements, common IUSS processing, twin-line array development and processing, improved detection and classification/passive automation to counter quieter threats, additional signal processing, integrated active and passive operations, improved Battle Group support, and improved information processing.

LFA provides an active adjunct capability for IUSS passive and tactical sensors to counter the quieter diesel and nuclear threats of the 1990s and beyond. The LFA tasks are directed at detection of slow, quiet threats in harsh littoral waters. Improvements include TL-29A/LFA integration enhancements, advanced waveforms for littoral/shallow water operations including Doppler sensitive waveforms, and processing algorithms to reduce clutter and reverberation false alarms in shallow water. The LFA task includes development and testing of a compact LFA transmit source array for SWATH-P ships, and upgrade of LFA processing capability in the IUSS Integrated Common Processing (ICP) architecture. The ICP is a derivative of the NAVSEA Submarine Acoustic Rapid COTS Insertion (ARCI) program, and is being augmented for IUSS requirements. Together, the LFA improvements, TL-29A, and the ICP support the SURTASS Active Improvement Program.

Functional improvements are delivered to the Fleet in software "builds", while hardware improvements are delivered through the Tech Insertion (TI) process. Software builds are based on the Advanced Processor Build (APB) process begun by the NAVSEA Submarine USW program. Each APB will introduce new capabilities into SURTASS systems including improved automation, normalizer techniques, adaptive beam forming, and display enhancements. SURTASS participates in the process by contributing algorithms for consideration, supplying peer group members for review of candidate algorithms, participating in test evolutions, and incorporating improved algorithms into operational systems. The TI process, modeled after the NAVSEA Submarine USW hardware improvement program, delivers processing technology improvements to platforms on roughly a 4-year cycle. Hardware upgrades for active and passive arrays and communications systems will also be provided during TI upgrades, but not on a regular planned development cycle as for the processing upgrades.

B. PEO SUB is involved with the development and maintenance of various IUSS systems. These systems include FDS, FDS-C, and SURTASS. The near-term goal is development of ICP, which will result in a single IUSS processor baseline, with minor maintenance efforts continuing on fielded systems. The existing system

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Exhibit R-2A, RDT&E Project Justification: PB 2013 Navy			DATE: Fel	oruary 2012	
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 7: Operational Systems Development	R-1 ITEM NOMENCLATURE PE 0204311N: Integrated Surveillance System		SS Detect/Cla	•	
architecture, signal processing, contact management, and report of the ICP will take advantage of automation advancement, array Additionally, a long term goal is to activate all IUSS sensors as p The FSS portion of 0766 is classified with details available at a h	technology improvements, along with IUSS, submaring art of a coordinated Active Improvement Program.				
B. Accomplishments/Planned Programs (\$ in Millions, Article	Quantities in Each)		FY 2011	FY 2012	FY 2013
Title: ASW Study		Articles:	0.659 0	-	-
FY 2011 Accomplishments: Continue trade-offs and studies for Distributed/Netted System confimprovement concepts from other sources for possible incorporation Matched Field Processing (MFP) model validation, and develop mareas for Anti-Submarine Warfare. Continue development of Reeli with extended at sea endurance test.	on in Shallow Water Surveillance System solution. Cor odel-based statistics of MFP in various tactically signific	duct cant			
Title: Compact Low Frequency Active		Articles:	1.890 0	1.960 0	1.750 0
FY 2011 Accomplishments: Complete DT for CLFA/TL-29A/ICP. Continue development of proand LFA FOT&E. Conduct at-sea testing of product improvements. Conduct FOT&E for LFA/TL-29A/ICP.	oduct improvements and corrections associated with CL	FA DT			
FY 2012 Plans: Conduct OT of CLFA/TL-29A/ICP. Continue development of product and LFA FOT&E. Conduct at-sea testing of product improvements.	uct improvements and corrections associated with CLF.	A DT/OT			
FY 2013 Plans: Continue development of product improvements and corrections a testing of product improvements.	ssociated with CLFA DT/OT and LFA FOT&E. Conduct	: at-sea			
Title: TB-29A/Twin-Line		Articles:	1.889 0	1.848 0	1.750 0
FY 2011 Accomplishments: Continue development of connectionless array technologies and tr	· · · · · · · · · · · · · · · · · · ·				

PE 0204311N: Integrated Surveillance System

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Navy

Exhibit R-2A, RDT&E Project Justification: PB 2013 Navy			DATE: Fe	bruary 2012			
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 7: Operational Systems Development	R-1 ITEM NOMENCLATURE PE 0204311N: Integrated Surveillance System	PROJEC 0766.: <i>IU</i>	PROJECT 1766.: IUSS Detect/Classif System				
B. Accomplishments/Planned Programs (\$ in Millions, Article Q	uantities in Each)		FY 2011	FY 2012	FY 2013		
Continue development of fishing net mitigation approaches.							
FY 2012 Plans: Continue development of connectionless array technologies and true Continue efforts to explore Twin-line variants of new submarine Lon Continue development of fishing net mitigation approaches.							
FY 2013 Plans: Continue development of connectionless array technologies and true Continue efforts to explore Twin-line variants of new submarine Lon Continue development of fishing net mitigation approaches.							
Title: Integrated Common Processor (ICP)		Articles:	13.333	12.136 0	11.018 0		
FY 2011 Accomplishments: Continue development of new automation algorithms and technique Continue development of Littoral LFA improvements. Continue tech Acoustic Rapid COTS Insertion (ARCI) Program Advanced Process improvement recommendations and deficiencies associated with CL FY 2012 Plans: Continue development of new automation algorithms and technique	refresh development in coordination with the Subma ing Build (APB) tech refresh. Began addressing proc FA DT and LFA FOT&E.	rine essing					
Continue development of Littoral LFA improvements. Continue tech refresh development in coordination with the Submar Advanced Processing Build (APB) tech refresh. Continue to address associated with CLFA DT/OT and LFA FOT&E.	ine Acoustic Rapid COTS Insertion (ARCI) Program						
FY 2013 Plans: Continue development of new automation algorithms and technique Continue development of Littoral LFA improvements. Continue tech refresh development in coordination with the Submar Advanced Processing Build (APB) tech refresh. Continue to address associated with CLFA DT/OT and LFA FOT&E.	ine Acoustic Rapid COTS Insertion (ARCI) Program						
Title: Classified Effort		Articles:	10.390 0	5.315 0	28.406 0		

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PE 0204311N: Integrated Surveillance System Navy Page 9 of 15 R-1 Line #180

Exhibit R-2A, RDT&E Project Justification: PB 2013 Navy

APPROPRIATION/BUDGET ACTIVITY R-1 ITEM NOMENCLATURE

1319: Research, Development, Test & Evaluation, Navy PE 0204311N: Integrated Surveillance System | 0766.: IUSS Detect/Classif System

BA 7: Operational Systems Development

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)

Pescription: The FSS portion of 0766 is classified with details available at a higher classification level.

FY 2011 Accomplishments:

The FSS portion of 0766 is classified with details available at a higher classification level.

FY 2012 Plans:

The FSS portion of 0766 is classified with details available at a higher classification level.

FY 2013 Plans:

The FSS portion of 0766 is classified with details available at a higher classification level.

Accomplishments/Planned Programs Subtotals 28.161 21.259 42.924

PROJECT

C. Other Program Funding Summary (\$ in Millions)

		-	FY 2013	FY 2013	FY 2013					Cost To	
Line Item	FY 2011	FY 2012	Base	OCO	<u>Total</u>	FY 2014	FY 2015	FY 2016	FY 2017	Complete	Total Cost
OPN/2237: Surveillance Towed	8.422	25.547	2.774	0.000	2.774	1.906	2.408	2.449	2.491	0.000	139.531
Array Sensor System											

D. Acquisition Strategy

FY 2010: T&E Milestones: CLFA/TL-29A/ICP DT. FY 2011: Engineering Milestones: ICP Tech Refresh.

FY 2011: T&E Milestones: CLFA/TL-29A/ICP DT. LFA/TL-29A/ICP FOT&E.

FY 2012: T&E Milestones: CLFA/TL-29A/ICP OT&E.

The FSS portion of 0766 is classified with details available at a higher classification level.

E. Performance Metrics

Successfully achieve CLFA Initial Operational Capability. Successfully complete CLFA Operation Test Readiness Review. Successfully complete CLFA Developmental Test / Operational Test. Successful demonstration of required LFA/CLFA improvements capability. Successful transition of Submarine Advanced Processing Build (APB) functionality into IUSS products. Successful transition of net mitigation technologies into Towed Array baseline.

The FSS portion of 0766 is classified with details available at a higher classification level.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2013 Navy

APPROPRIATION/BUDGET ACTIVITY

1319: Research, Development, Test & Evaluation, Navy

BA 7: Operational Systems Development

R-1 ITEM NOMENCLATURE

PE 0204311N: Integrated Surveillance System

PROJECT

0766.: IUSS Detect/Classif System

DATE: February 2012

Product Development	(\$ in Millio	ns)		FY 2	2012	FY 2 Ba	2013 ise	FY 2	2013 CO	FY 2013 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
IUSS COMMON ARCHITECTURE	C/CPFF	LOCKHEED MARTIN:VA	8.132	7.215	Nov 2011	5.726	Nov 2012	-		5.726	Continuing	Continuing	Continuing
IUSS COMMON ARCHITECTURE	C/CPFF	APL/JHU:MD	0.525	0.525	Nov 2011	0.565	Nov 2012	-		0.565	Continuing	Continuing	Continuing
IUSS COMMON ARCHITECTURE	Various	VARIOUS:Not Specified	63.568	0.755	Nov 2011	0.790	Nov 2012	-		0.790	Continuing	Continuing	Continuing
ACTIVE IMPROVEMENT/ CLFA/LFA	WR	NFESC:CA	0.398	0.447	Nov 2011	0.452	Nov 2012	-		0.452	Continuing	Continuing	Continuing
ACTIVE IMPROVEMENT/ CLFA/LFA	WR	SSC PAC:CA	0.227	0.227	Nov 2011	0.226	Nov 2012	-		0.226	Continuing	Continuing	Continuing
ACTIVE IMPROVEMENT/ CLFA/LFA	C/CPFF	APL/JHU:MD	0.375	0.375	Nov 2011	0.339	Nov 2012	-		0.339	Continuing	Continuing	Continuing
ACTIVE IMPROVEMENT/ CLFA/LFA	Various	VARIOUS:Not Specified	116.529	0.323	Nov 2011	0.339	Nov 2012	-		0.339	Continuing	Continuing	Continuing
N74 ASW STUDY	WR	SSC PAC:CA	0.449	-	Nov 2011	-	Nov 2012	-		-	Continuing	Continuing	Continuing
N74 ASW STUDY	Various	VARIOUS:Not Specified	7.545	-	Nov 2011	-	Nov 2012	-		-	Continuing	Continuing	Continuing
ARRAY IMPROVEMENTS	C/CPFF	APL/JHU:VA	0.625	0.625	Nov 2011	0.677	Nov 2012	-		0.677	Continuing	Continuing	Continuing
ARRAY IMPROVEMENTS	WR	ADAPTIVE METHODS:VA	0.222	0.271	Nov 2011	0.229	Nov 2012	-		0.229	Continuing	Continuing	Continuing
ARRAY IMPROVEMENTS	Various	VARIOUS:Not Specified	8.100	0.365	Nov 2011	0.337	Nov 2012	-		0.337	Continuing	Continuing	Continuing
FSS - Classified	Various	TBD:Not Specified	11.535	5.315	Nov 2011	28.406	Nov 2012	-		28.406	0.000	45.256	
		Subtotal	218.230	16.443		38.086		-		38.086			

Remarks

The FSS portion of 0766 is classified with details available at a higher classification level.

PE 0204311N: Integrated Surveillance System Navy

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2013 Navy

APPROPRIATION/BUDGET ACTIVITY

1319: Research, Development, Test & Evaluation, Navy

BA 7: Operational Systems Development

R-1 ITEM NOMENCLATURE

PE 0204311N: Integrated Surveillance System

PROJECT

0766.: IUSS Detect/Classif System

DATE: February 2012

Support (\$ in Millions)				FY 2	2012		2013 ise		2013 CO	FY 2013 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
IUSS COMMON ARCHITECTURE	WR	SSC PAC:CA	1.707	1.511	Nov 2011	1.524	Nov 2012	-		1.524	Continuing	Continuing	Continuing
IUSS COMMON ARCHITECTURE	Various	VARIOUS:Not Specified	3.580	0.310	Nov 2011	0.314	Nov 2012	-		0.314	Continuing	Continuing	Continuing
ACTIVE IMPROVEMENTS/ CLFA/LFA	WR	SSC PAC:CA	0.194	0.204	Nov 2011	0.194	Nov 2012	-		0.194	Continuing	Continuing	Continuing
ACTIVE IMPROVEMENTS/ CLFA/LFA	Various	VARIOUS:Not Specified	7.207	0.090	Nov 2011	0.097	Nov 2012	-		0.097	Continuing	Continuing	Continuing
ARRAY IMPROVEMENTS	Various	VARIOUS:Not Specified	0.283	0.294	Nov 2011	0.290	Nov 2012	-		0.290	Continuing	Continuing	Continuing
		Subtotal	12.971	2.409		2.419		-		2.419			

Test and Evaluation (\$ in Millions)			FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total				
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
IUSS COMMON ARCHITECTURE	C/CPFF	LOCKHEED MARTIN:VA	0.953	0.821	Nov 2011	0.823	Nov 2012	-		0.823	Continuing	Continuing	Continuing
IUSS COMMON ARCHITECTURE	Various	Not Specified:Not Specified	6.093	0.392	Nov 2011	0.395	Nov 2012	-		0.395	Continuing	Continuing	Continuing
ACTIVE IMPROVEMENTS/ CLFA/LFA	WR	OPTEVFOR:Not Specified	0.125	0.125	Nov 2011	0.129	Nov 2012	-		0.129	Continuing	Continuing	Continuing
ACTIVE IMPROVEMENTS/ CLFA/LFA	Various	Not Specified:Not Specified	20.602	0.071	Nov 2011	0.072	Nov 2012	-		0.072	Continuing	Continuing	Continuing
ARRAY IMPROVEMENTS	C/CPFF	APL/JHU:MD	0.189	0.196	Nov 2011	0.194	Nov 2012	-		0.194	Continuing	Continuing	Continuing
ARRAY IMPROVEMENTS	Various	Not Specified:Not Specified	2.568	-		-		-		-	Continuing	Continuing	Continuing
		Subtotal	30.530	1.605		1.613		-		1.613			

Exhibit R-3, RDT&E Project Cost Analysis: PB 2013 Navy

APPROPRIATION/BUDGET ACTIVITY

1319: Research, Development, Test & Evaluation, Navy

BA 7: Operational Systems Development

R-1 ITEM NOMENCLATURE

PE 0204311N: Integrated Surveillance System

PROJECT

0766.: IUSS Detect/Classif System

DATE: February 2012

Management Services	(\$ in Millions)			FY 2012			FY 2013 Base		FY 2013 OCO				
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
IUSS COMMON ARCHITECTURE	Various	VARIOUS:Not Specified	4.300	0.606	Nov 2011	0.613	Nov 2012	-		0.613	Continuing	Continuing	Continuing
ACTIVE IMPROVEMENTS/ CLFA/LFA	Various	VARIOUS:Not Specified	15.412	0.098	Nov 2011	0.097	Nov 2012	-		0.097	Continuing	Continuing	Continuing
ARRAY IMPROVEMENTS	Various	VARIOUS:Not Specified	0.094	0.098	Nov 2011	0.096	Nov 2012	-		0.096	Continuing	Continuing	Continuing
		Subtotal	19.806	0.802		0.806		-		0.806			
			Total Prior Years Cost	FY 2	012		2013 ise		2013 CO	FY 2013 Total	Cost To	Total Cost	Target Value of Contract
		Project Cost Totals	281.537	21.259		42.924		-		42.924	•		

Remarks

The R3 and the R4 / R4A reflect the UNCLASSIFIED portion of the PE.

PE 0204311N: Integrated Surveillance System Navy

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Exhibit R-4, RDT&E Schedule Profile: PB 2013 Navy							
APPROPRIATION/BUDGET ACTIVITY	R-1 ITEM NOMENCLATURE	PROJECT					
1319: Research, Development, Test & Evaluation, Navy	PE 0204311N: Integrated Surveillance System	0766.: IUSS Detect/Classif System					
BA 7: Operational Systems Development							

PE 0204311N: Integrated Surveillance System Navy

Exhibit R-4A, RDT&E Schedule Details: PB 2013 Navy

APPROPRIATION/BUDGET ACTIVITY

1319: Research, Development, Test & Evaluation, Navy
BA 7: Operational Systems Development

DATE: February 2012

R-1 ITEM NOMENCLATURE
PE 0204311N: Integrated Surveillance System
0766.: IUSS Detect/Classif System

Schedule Details

	Si	Start			
Events by Sub Project	Quarter	Year	Quarter	Year	
Proj 0766.L24					
CLFA / TL-29A/ ICP DT	1	2011	3	2012	
CLFA / TL-29A/ ICP OT & E	4	2012	1	2013	
LFA / TL-29A/ ICP FOT & E	1	2011	3	2012	
CLFA / TL29A / ICP (T21)	3	2011	4	2011	
CLFA / TL29A / ICP (T19)	3	2012	4	2012	
CLFA Production	1	2011	3	2012	
ICP Software Development	1	2011	4	2017	
ICP Tech Refresh	2	2012	2	2014	